



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Carl Ralph Flannery et al.      Art Unit : 1653  
Serial No. : 10/567,764      Examiner : Unknown  
Filed : September 27, 2006      Conf. No. : 5330  
Title : RECOMBINANT LUBRICIN MOLECULES AND USES THEREOF

**MAIL STOP AMENDMENT**

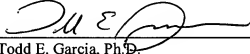
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form.  
This statement is being filed before the receipt of a first Office Action on the merits. Please  
apply any charges or credits to Deposit Account No. 06-1050, referencing Attorney Docket No.  
19003-002US1.

Respectfully submitted,

Date: September 5, 2007

  
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Substitute Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
19003-002US1Application No.  
10/567,764**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

Applicant  
Carl Ralph Flannery et al.Filing Date  
September 27, 2006

Group Art Unit

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
	AB						Yes	No

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AC	Chambers et al., "Matrix Metalloproteinases and Aggrecanases Cleave Aggrecan in Different Zones of Normal Cartilage but Colocalize in the Development of Osteoarthritic Lesions in STR/ort Mice," <i>Arthritis &amp; Rheumatism</i> , 44(6):1455-1465 (2001).
	AD	Espallargues and Pons, "Efficacy and Safety of Viscosupplementation with Hylan G-F 20 for the Treatment of Knee Osteoarthritis: A Systematic Review," <i>International Journal of Technology Assessment in Health Care</i> , 19(1):41-56 (2003).
	AE	Flannery et al., "Articular Cartilage Superficial Zone Protein (SZP) is Homologous to Megakaryocyte Stimulating Factor Precursor and is a Multifunctional Proteoglycan with Potential Growth-Promoting, Cytoprotective, and Lubricating Properties in Cartilage Metabolism," <i>Biochemical and Biophysical Research Communications</i> , 254:535-541 (1999).
	AF	Glasson et al., "Characterization of and Osteoarthritis Susceptibility in ADAMTS-4-Knockout Mice," <i>Arthritis &amp; Rheumatism</i> , 50(8):2547-2558 (2004).
	AG	Goldberg et al., "Prevention of Postoperative Adhesions by Precoating Tissues with Dilute Sodium Hyaluronate Solutions," In: <i>Gynecologic Surgery and Adhesion Prevention</i> , (Wiley-Liss), pp. 191-204 (1993).
	AH	Hills, Brian A., "Identity of the Joint Lubricant," <i>The Journal of Rheumatology</i> , 29:200-201 (2002).
	AI	Ikegawa et al., "Isolation, characterization and mapping of the mouse and human PRG4 (proteoglycan 4) genes," <i>Cytogenet. Cell Genet.</i> , 90:291-297 (2000).
	AJ	Jay et al., "Homology of lubricin and superficial zone protein (SZP): products of megakaryocyte stimulating factor (MSF) gene expression by human synovial fibroblasts and articular chondrocytes localized to chromosome 1q25," <i>Journal of Orthopaedic Research</i> , 19:677-687 (2001).
	AK	Jay et al., "Boundary lubrication by lubricin is mediated by O-linked $\beta$ (1-3)Gal-GalNAc oligosaccharides," <i>Glycoconjugate Journal</i> , 18:807-815 (2001).
	AL	Krstenansky and Mao, "Antithrombin properties of C-terminus of hirudin using synthetic unsulfated N <sup>6</sup> -acetyl-hirudin <sub>45-65</sub> ," <i>FEBS Letter</i> , 211(1):10-16 (1987).
	AM	Marcelino et al., "CACP, encoding a secreted proteoglycan, is mutated in campodactyly-arthropathy-coxa vara-pericarditis syndrome," <i>Nature Genetics</i> , 23:319-322 (1999).
	AN	Merberg et al., "A Comparison of Vitronectin and Megakaryocyte Stimulating Factor," In: <i>Biology of Vitronectins and Their Receptors</i> , Pressner et al. (eds.): Elsevier Science Publishers, pp. 45-53 (1993).

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /RK/



Substitute Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 19003-002US1	Application No. 10/567,764
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		
Applicant Carl Ralph Flannery et al.		
Filing Date September 27, 2006	Group Art Unit	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AO	Merrifield, R. B., "Solid Phase Peptide Synthesis. I. The Synthesis of a Tetrapeptide," <u>J. Amer. Chem. Soc.</u> , 85:2149-2154 (1963).
	AP	Morawietz et al., "Differential gene expression in the periprosthetic membrane: lubricin as a new possible pathogenetic factor in prosthesis loosening," <u>Virchows Arch.</u> 443:57-66 (2003).
	AQ	Rees et al., "Immunolocalisation and expression of proteoglycan 4 (cartilage superficial zone proteoglycan) in tendon," <u>Matrix Biology</u> , 21:593-602 (2002).
	AR	Schaefer et al., "Lubricin reduces cartilage-cartilage integration," <u>Biorheology</u> , 41:503-508 (2004).
	AS	Schneerson et al., "Preparation, characterization, and immunogenicity of <i>Haemophilus Influenzae</i> Type b Polysaccharide-Protein Conjugates," <u>The Journal of Experimental Medicine</u> , 152:361-376 (1980).
	AT	Schumacher, Jr., H. Ralph, "Aspiration and Injection Therapies for Joints," <u>Arthritis &amp; Rheumatism</u> , 49(3):413-420 (2003).
	AU	Tatusova and Madden, "BLAST 2 Sequences, a new tool for comparing protein and nucleotide sequences," <u>FEMS Microbiology Letters</u> , 174:247-250 (1999).
	AV	Wobig et al., "Viscosupplementation with Hylan G-F 20: A 26-Week Controlled Trial of Efficacy and Safety in the Osteoarthritic Knee," <u>Clinical Therapeutics</u> , 20(3):410-423 (1998).
	AW	Wobig et al., "The Role of Elastoviscosity in the Efficacy of Viscosupplementation for Osteoarthritis of the Knee: A Comparison of Hylan G-F 20 and a Lower-Molecular-Weight Hyaluronan," <u>Clinical Therapeutics</u> , 21(9):1549-1562 (1999).

Examiner Signature /Rosanne Kosson/	Date Considered 07/21/2008
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